

REMARKS

Applicant would like to thank the examiner for the indication that claims 17-26 are allowable and that claims 4, 7, 10, and 15 contain allowable subject matter and would be allowable if rewritten in independent form.

The Patent Office rejected claims 1-3, 5, 6, 8, 11-14, and 16 under 35 U.S.C. § 102(b) as being anticipated by Nakanishi (U.S. Patent No. 5,138,274). "A claim is anticipated only if each and every element as set forth in the claim is found, either expressly or inherently described in a single prior art reference." *Verdegaal Bros. v. Union Oil Co. of California*, 814 F.2d 628, 631, 2 UPPQ 2d 1051, 1053 (Fed. Cir. 1987).

Regarding claim 1, Nakanishi fails to expressly or inherently disclose at least circuitry adapted to generate a supply voltage based on a control signal and temperature such that a change in temperature results in a change in the supply voltage, wherein the change in the supply voltage offsets variations in characteristics of the power amplifier due to variations in temperature. As stated on page 4, line 33 to page 5, line 2 of Applicant's specification, "[v]ariations in characteristics of the power amplifier 18 such as gain and saturation voltage due to temperature variations are compensated ...". (emphasis added) In contrast, Nakanishi discloses temperature compensation circuitry that compensates for variations in an input signal detector and an output signal detector due to temperature variations. Nakanishi fails to disclose compensation of variations in the characteristics of the power amplifier due to temperature variations.

More specifically, referring to Figure 3 of Nakanishi, the temperature compensation circuit (12) compensates for variations in the characteristics of the input signal detector (5) due to temperature variations. The temperature compensation circuit (12) does not compensate for variations in the characteristics, such as gain and saturation voltage, of the amplifier (3). As shown in Figure 2 of Nakanishi, the output of the input signal detector (5) varies due to variations in temperature. In order to compensate for this variation, the temperature compensation circuit (12) varies a bias voltage supplied to the input signal detector (5) in order to compensate for the variations in the output of the input signal detector (5) due to variations in temperature (Figure 4, abstract, col. 2, lines 55-60).

Since Nakanishi fails to expressly or inherently disclose circuitry adapted to generate a supply voltage based on a control signal and temperature such that a change in temperature

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results in a change in the supply voltage, wherein the change in the supply voltage offsets variations in characteristics of the power amplifier due to variations in temperature, claim 1 is allowable.

For at least the same reasons claim 1 is allowable, claims 2, 3, 5, 6, and 8 are allowable. However, Applicant reserves the right to further address the rejections of claims 2, 3, 5, 6, and 8 in the future if necessary.

Applicant has amended claim 11 to include the language "wherein the change in the supply voltage offsets variations in characteristics of the power amplifier due to variations in temperature." Thus, for at least the same reasons claim 1 is allowable, claim 11 is also allowable.

For at least the same reasons claim 11 is allowable, claims 12-14, and 16 are allowable. However, Applicant reserves the right to further address the rejections of claims 12-14, and 16 in the future if necessary.

The Patent Office rejected claim 9 under 35 U.S.C. § 103(a) as being unpatentable over Nakanishi. For at least the same reasons claim 1 is allowable, claim 9 allowable. However, Applicant reserves the right to further address the rejection of claim 9 in the future if necessary.

In view of the discussion above, claims 1-26 are allowable. Reconsideration is respectfully requested. If any issues remain, the examiner is encouraged to contact the undersigned attorney of record to expedite allowance and issue.

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Respectfully submitted,

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